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JMS/CMF/emw 08/18/00

PATENT APPLICATION Docket No.: 2037.2002-000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUS 2 3 2000 plipant(s):

Richard M. Wyatt

Application No.:

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Group:

2759

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Examiner: Not Yet Assigned

For:

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents,

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Eileen M.Woodbury

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## TRANSMITTAL OF FORMAL DRAWINGS

Assistant Commissioner for Patents Washington, D.C., 20231

Sir:

Transmitted herewith are formal drawings, sheets 1/12 - 12/12, figures 1-11 for filing in the subject application.

Acceptance of the formal drawings is respectfully requested.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

Caroline M. Fleming

Registration No. 45,566

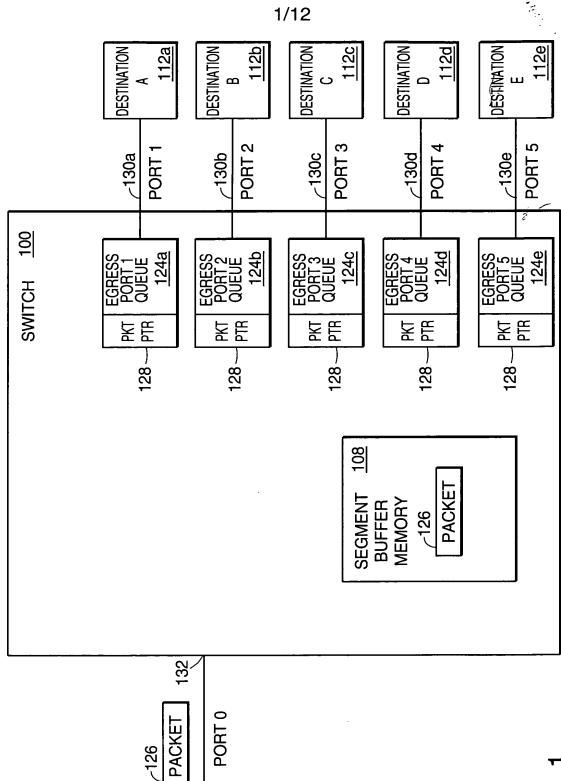
Telephone (781) 861-6240

Facsimile (781) 861-9540

Lexington, MA 02421-4799

Date: 8/18/00

APPROVED C FIG BY CLASS SUBCLASS DRAFTSMAM



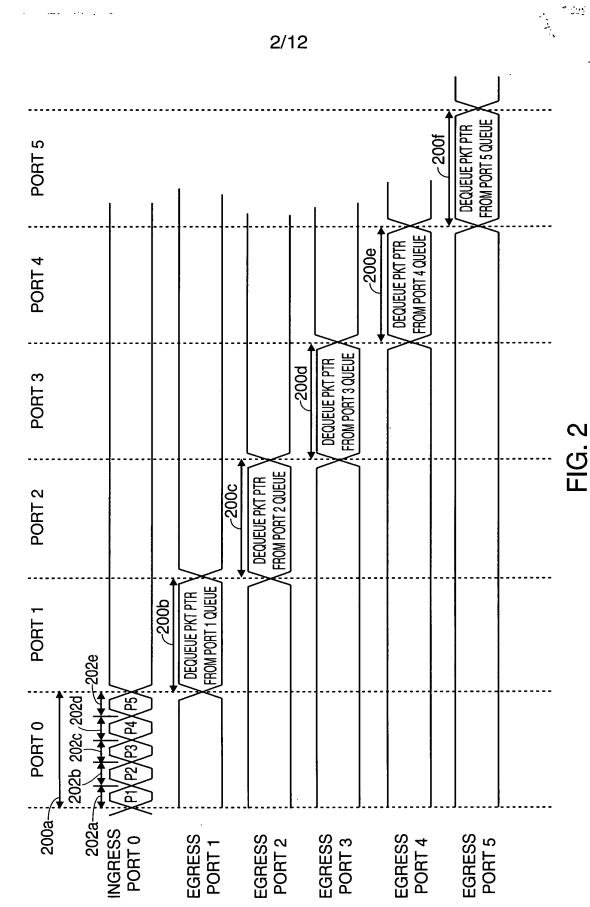
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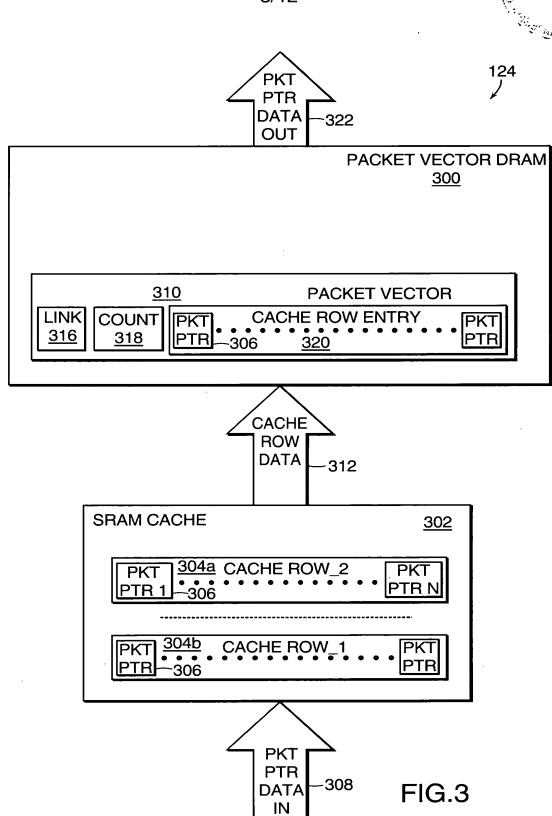
⋖

102

FIG. 1

(





3/12 124 PKT PTR DATA 322 OUT PACKET VÉCTOR DRAM 300 310 PACKET VECTOR CACHÉ ROW ENTRY LINK COUNT PKT 316 318 PTR PTR 128 CACHE **ROW DATA** -312 SRAM/CACHE 302 304a CACHE ROW\_2 PKT PKT PTR N PTR 1 304b CACHE ROW\_1 PKT PTR **PKT** PTR 308

DATA IN

FIG.3

· · · FAFTEMAN

. ASS SUBCLASS

HURAFISMAM

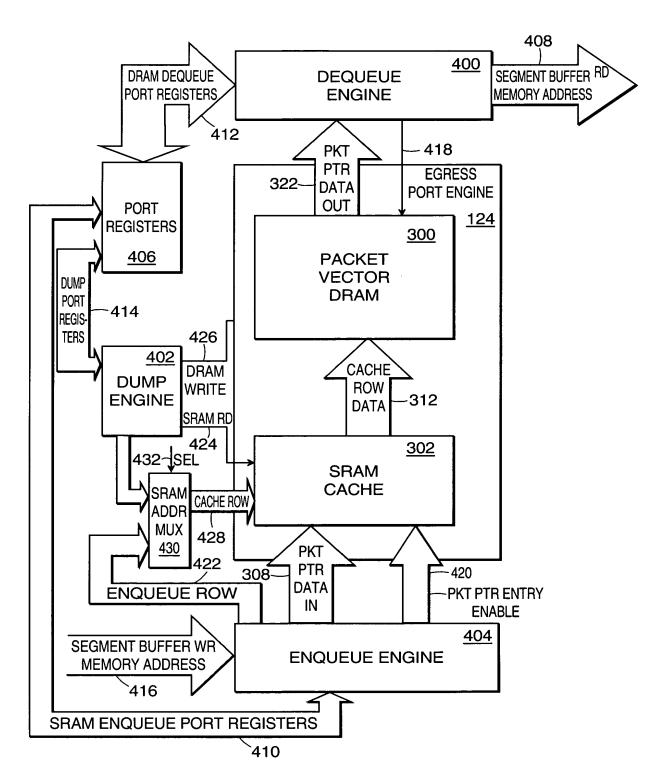


FIG. 4

5/12

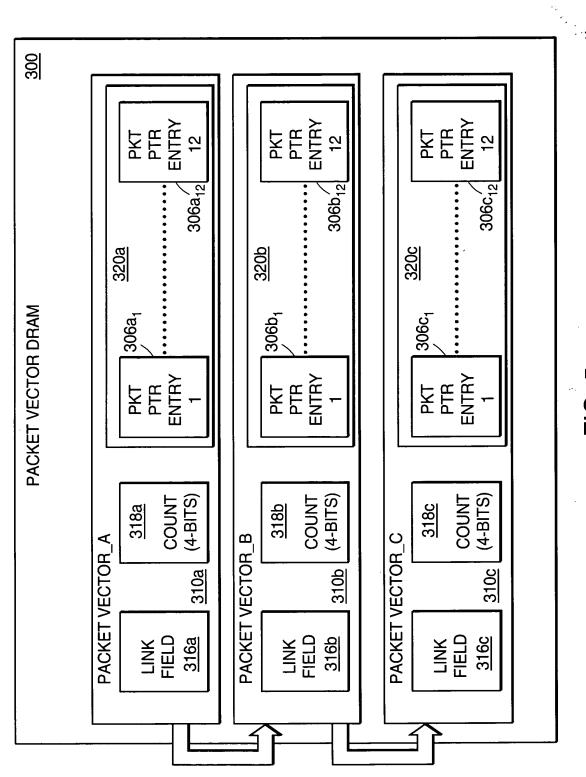


FIG. 5



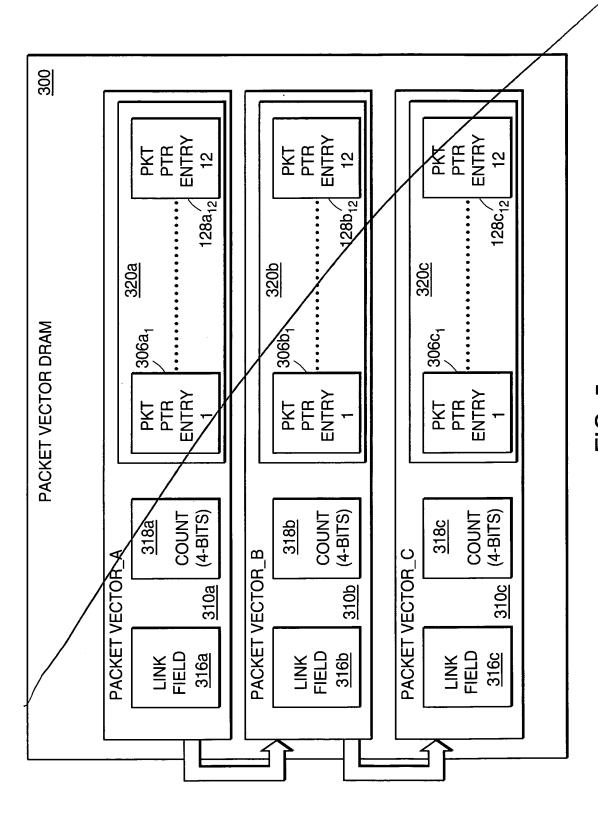
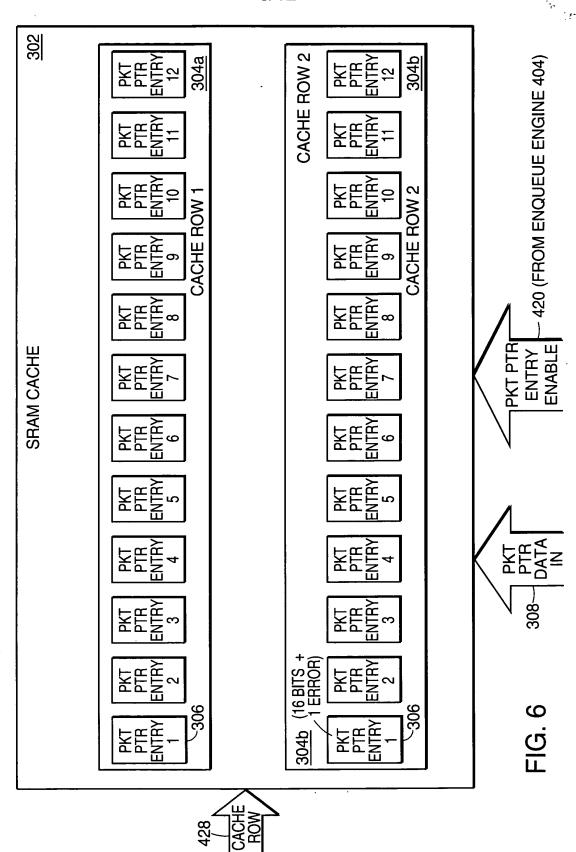


FIG. 5

THEFT I BUA

A-M-OVED (O.S. FIG. CLASS SUBCLASS

CHVLLEWON



406

**DUMP ROW NUMBER** (1 OR 2) 704 **FILL ROW NUMBER** (1 OR 2) 706 PKT PTR ENTRY NUMBER (1 - 12)708 **CACHE FULL** 710 CACHE EMPTY 712 **SRAM** PORT REGISTERS <u>700</u> CURRENT ENQUEUE
POINTER 714

NEXT ENQUEUE
POINTER 716

NUMBER OF
PACKET VECTORS
ON QUEUE 718

NO PACKET
VECTORS 720

CURRENT DEQUEUE
POINTER 722

NEXT DEQUEUE
PACKET POINTER 724

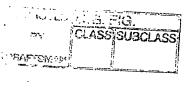
DRAM
PORT REGISTERS

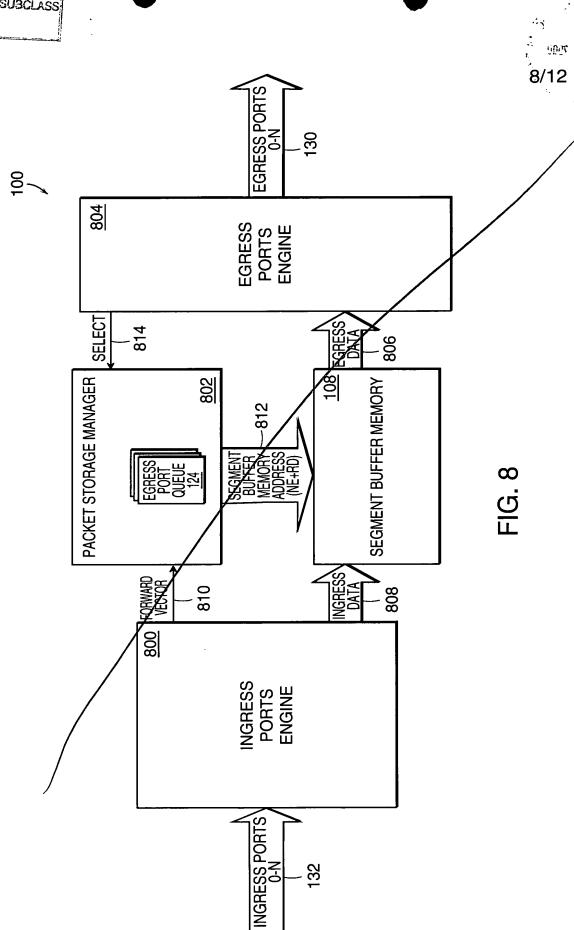
FIG. 7

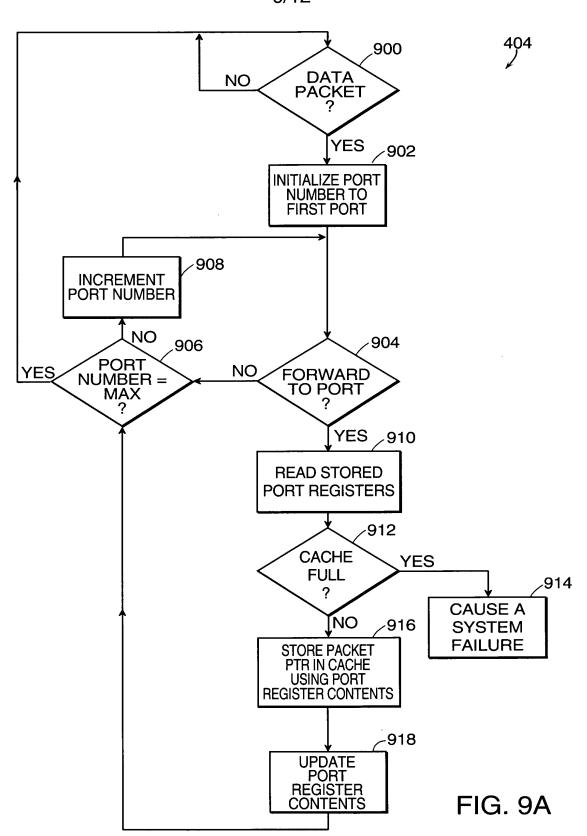
APPROVED C.G. FIG.
BY CLASS SUBCLASS EGRESS PORTS 0-N 130 <del>1</del>0 804 EGRESS PORTS ENGINE SELECT 814 806 108 802 PACKET STORAGE MANAGER SEGMENT BUFFER MEMORY -812 SEGMENT BUFFER MEMORY ADDRESS EGRESS PORT QUEUE NGRESS DATA FORWARD VECTOR 810 808 800 INGRESS PORTS ENGINE INGRESS PORTS 0-N 132

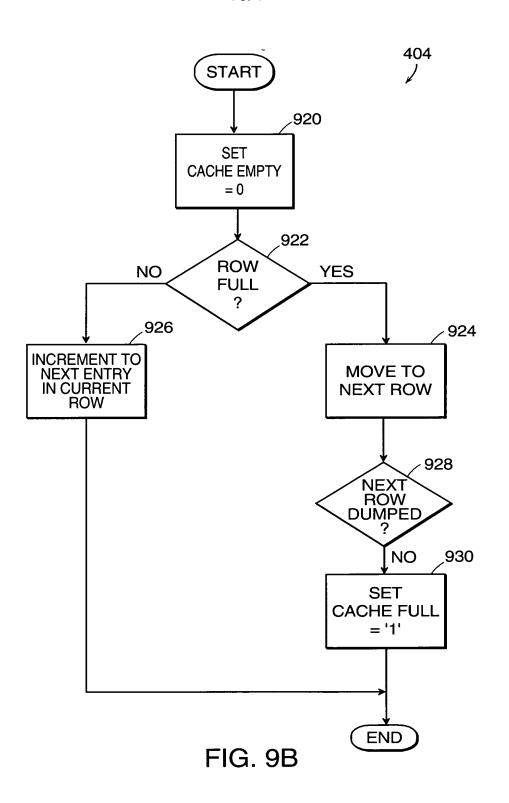
DRAFTSMAN

FIG. 8









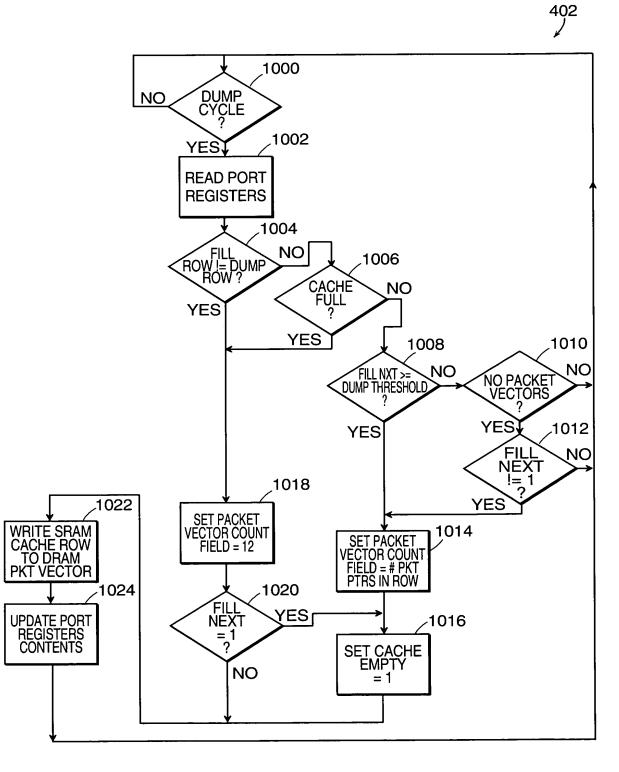


FIG. 10

THE E 3 WAY

